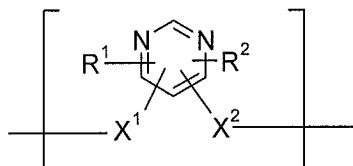


In the claims:

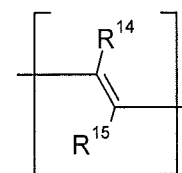
1-3. (cancelled)

4. (currently amended) A polymer according to claim 1, comprising a repeating unit of the formula

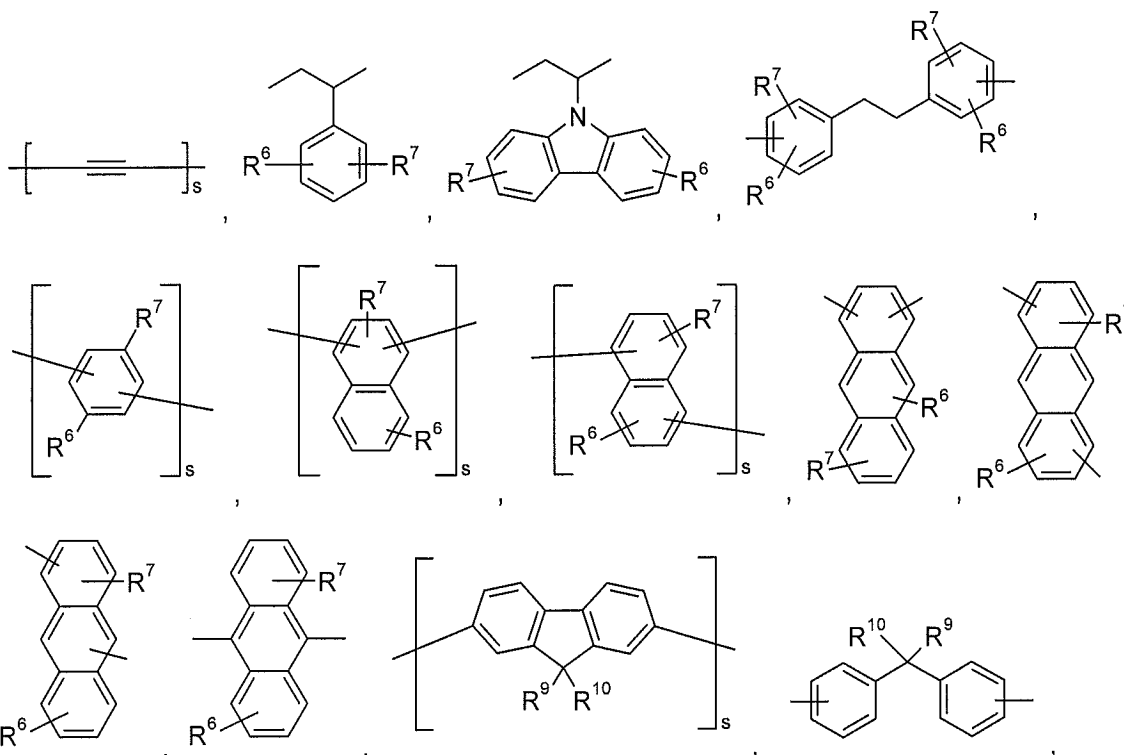


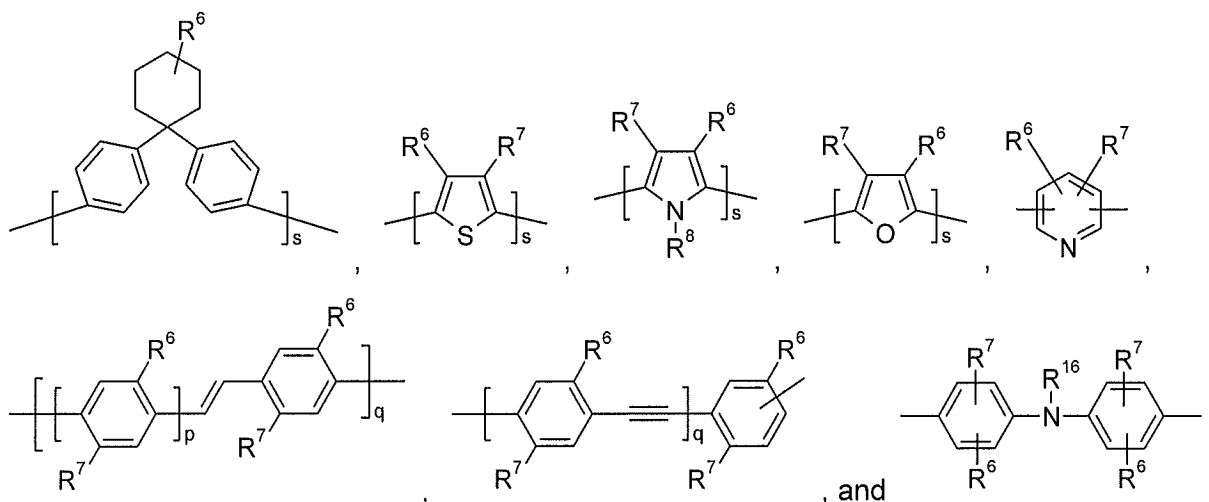
(I); wherein

R¹ is C₆₋₂₄aryl or C₂₋₂₀ heteroaryl each of which optionally can be substituted, and R² is H, X¹ and X² are independently of each other a divalent linking group which co-polymer also



comprises a co-monomer T which is selected from the group consisting of





wherein

R^{16} is H, C_6-C_{18} aryl, C_6-C_{18} aryl which is substituted by C_1-C_{18} alkyl, C_1-C_{18} alkyl, C_7-C_{25} aralkyl, or C_1-C_{18} alkyl which is interrupted by $-O-$,

p is an integer from 1 to 10,

q is an integer from 1 to 10,

s is an integer from 1 to 10,

R^6 and R^7 are independently of each other H, C_1-C_{18} alkyl, C_1-C_{18} alkyl which is substituted by E and/or interrupted by D, C_5-C_{12} cycloalkyl, C_5-C_{12} cycloalkyl, which is substituted by E, C_6-C_{24} aryl, C_6-C_{24} aryl which is substituted by E, C_2-C_{20} heteroaryl, C_2-C_{20} heteroaryl which is substituted by E, C_2-C_{18} alkenyl, C_2-C_{18} alkynyl, C_1-C_{18} alkoxy, C_1-C_{18} alkoxy which is substituted by E and/or interrupted by D, C_7-C_{25} aralkyl, or $-CO-R^{28}$,

R^8 is C_1-C_{18} alkyl, C_1-C_{18} alkyl which is substituted by E and/or interrupted by D, C_6-C_{24} aryl, or C_7-C_{25} aralkyl,

R^9 and R^{10} are independently of each other C_1-C_{18} alkyl, C_1-C_{18} alkyl which is substituted by E and/or interrupted by D, C_6-C_{24} aryl, C_6-C_{24} aryl which is substituted by E, C_2-C_{20} heteroaryl, C_2-C_{20} heteroaryl which is substituted by E, C_2-C_{18} alkenyl, C_2-C_{18} alkynyl, C_1-C_{18} alkoxy, C_1-C_{18} alkoxy which is substituted by E and/or interrupted by D, or C_7-C_{25} aralkyl, or

R^9 and R^{10} form a five- or six-membered ring, which may optionally be substituted by R^6 ,

$R^{14'}$ and $R^{15'}$ are independently of each other H, C_1-C_{18} alkyl, C_1-C_{18} alkyl which is substituted by E and/or interrupted by D, C_6-C_{24} aryl, C_6-C_{24} aryl which is substituted by E, C_2-C_{20} heteroaryl, or C_2-C_{20} heteroaryl which is substituted by E,

D is $-CO-$, $-COO-$, $-S-$, $-SO-$, $-SO_2-$, $-O-$, $-NR^{25}-$, $-SiR^{30}R^{31}-$, $-POR^{32}-$, $-CR^{23}=CR^{24}-$, or $-C\equiv C-$, and

E is $-OR^{29}$, $-SR^{29}$, $-NR^{25}R^{26}$, $-COR^{28}$, $-COOR^{27}$, $-CONR^{25}R^{26}$, $-CN$, $-OCOOR^{27}$, or halogen, wherein

R^{23} , R^{24} , R^{25} and R^{26} are independently of each other H, C_6-C_{18} aryl, C_6-C_{18} aryl which is substituted by C_1-C_{18} alkyl, C_1-C_{18} alkoxy, C_1-C_{18} alkyl, or C_1-C_{18} alkyl which is interrupted by $-O-$, or

R^{25} and R^{26} together form a five or six membered ring, R^{27} and R^{28} are independently of each other H, C_6-C_{18} aryl, C_6-C_{18} aryl which is substituted by C_1-C_{18} alkyl, or C_1-C_{18} alkoxy, C_1-C_{18} alkyl, or C_1-C_{18} alkyl which is interrupted by $-O-$,

R^{29} is H, C_6-C_{18} aryl, C_6-C_{18} aryl, which is substituted by C_1-C_{18} alkyl, C_1-C_{18} alkoxy, C_1-C_{18} alkyl, or C_1-C_{18} alkyl which is interrupted by $-O-$,

R^{30} and R^{31} are independently of each other C_1-C_{18} alkyl, C_6-C_{18} aryl, or C_6-C_{18} aryl, which is substituted by C_1-C_{18} alkyl, and

R^{32} is C_1-C_{18} alkyl, C_6-C_{18} aryl, or C_6-C_{18} aryl, which is substituted by C_1-C_{18} alkyl, or

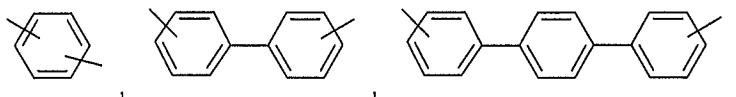
R^9 and R^{10} together form a group of formula $=CR^{100}R^{101}$, wherein

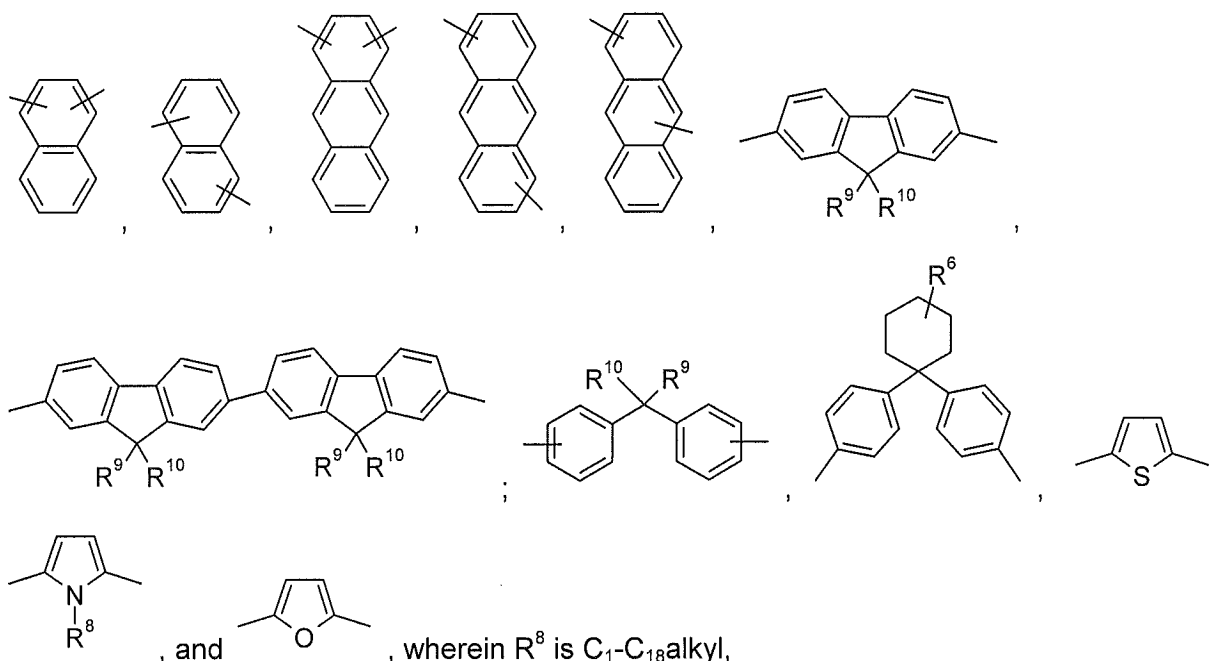
R^{100} and R^{101} are independently of each other H, C_1-C_{18} alkyl, C_1-C_{18} alkyl which is substituted by E and/or interrupted by D, C_6-C_{24} aryl, C_6-C_{24} aryl which is substituted by E, or C_2-C_{20} heteroaryl, or C_2-C_{20} heteroaryl which is substituted by E, and

R^{14} and R^{15} are independently of each other H, C_1-C_{18} alkyl, C_1-C_{18} alkyl which is substituted by E and/or interrupted by D, C_6-C_{24} aryl, C_6-C_{24} aryl which is substituted by E, or C_2-C_{20} heteroaryl, C_2-C_{20} heteroaryl which is substituted by E.

5. (cancelled)

6.(previously presented) A polymer according to claim 4, comprising a co-monomer T which is selected from the group consisting of

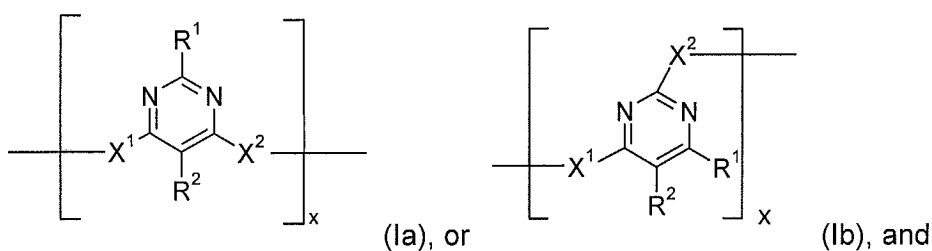




R^9 and R^{10} are independently of each other C_1 - C_{18} alkyl, which can be interrupted by one or two oxygen atoms, or

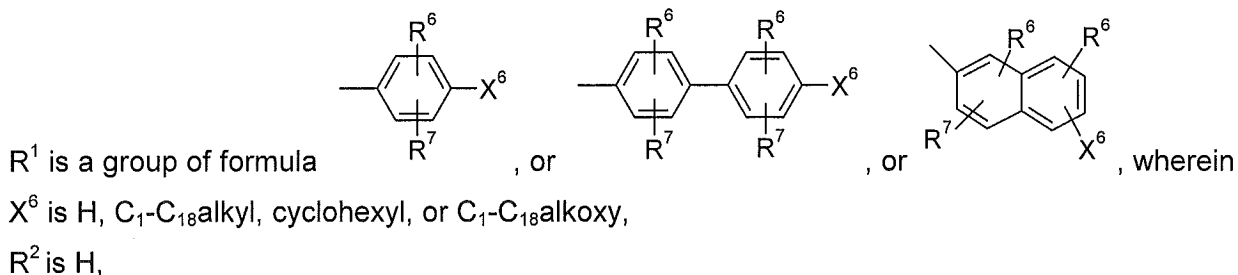
R^9 and R^{10} form a five or six membered carbocyclic ring, which optionally can be substituted by C_1 - C_8 alkyl.

7. (previously presented) A polymer according to claim 4, comprising a repeating unit of formula

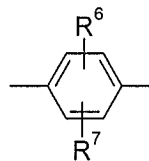


a co-monomer $\left[T \right]_y$, wherein

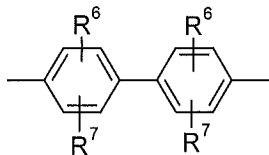
x is in the range of 0.4 to 0.6, and y is in the range of 0.6 to 0.4, wherein the sum of x and y is 1,



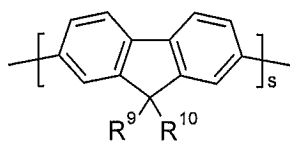
X¹ and X² are independently of each other a group of formula



, or



, and



T is a group of formula

, wherein s is one or two, and R⁹ and R¹⁰ are

independently of each other C₁-C₁₈alkyl, which can be interrupted by one or two oxygen atoms, and

R⁶ and R⁷ are independently of each other H, C₁-C₁₂alkyl, C₅-C₁₂cycloalkyl, C₆-C₂₄aryl, which can be substituted by -O-C₁-C₁₂alkyl, or C₁-C₁₈alkoxy.

8-21. (cancelled)